

Claims

1. A device for subcutaneous supply of a medicament to a patient, comprising:

- 5 - a cannula housing (1) with an interior chamber;
 - a cannula (2) connected to the cannula housing (1) and being in flow communication with the interior chamber;
 - a flexible tubing (4) having a first end (4') and a second end (4''), wherein the tubing (4) is, at its first end (4') coupled to the cannula housing (1), such
10 that the tubing (4) is caused to be in flow communication with the interior chamber; and wherein the tubing (4) carries a source coupling (5), at its second end (4''), by which the tubing (4) can be coupled to a source for said medicament;
 - wherein the tubing (4) is, between the first and the second end (4', 4'')
15 folded (9, 9') for forming a configuration with essentially parallel courses (14, 24, 34) of said tubing;
 characterised in

- the device comprises a first and a second holder device (10,20);
 that in order for the tubing (4) to be secured in said configuration, it is
20 received in guides (11, 12, 13) in said first holder device (10) arranged between the first and the second end (4', 4'') of the tubing (4) and in guides (11, 12, 13) in said second holder device (20) arranged at the first or second end (4', 4'') of the tubing (4) or between the first and second ends (4', 4'') of the tubing, with said parallel courses (14, 24,
25 34) running between said first holder device (10) and said second holder device (20), and
 - that the first holder device (10) can be displaced along the tubing (4) in a direction towards the second holder device (20) by movement of the tubing (4) along said guides (11, 12, 13) in the first holder device (10).

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2. A device according to the preceding claim, **characterised in** that the first holder device (10) is configured as a housing with at least two bores that form said guides (11,12, 13).

- 5 3. A device according to claim 2, **characterised in**
- that the second holder device (20) is arranged between the first and second ends (4', 4'') of the tubing; and
 - that the second holder device (20) can be displaced along the tubing (4) in a direction towards the first holder device (10).

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4. A device according to the preceding claim, **characterised in** that the second holder device (20) is configured as a housing with at least two bores that form said guides (11, 12, 13).

- 15 5. A device according to any one of the preceding claims 1 or 2, **characterised in** that the second holder device (20) is constituted by the cannula housing (1) or by a coupling (3) by which the tubing (4) is connected to the cannula housing (1).

- 20 6. A device according to the preceding claim, **characterised in** that the tubing (4) is received in guides (11) that extend interiorly of the cannula housing (1).

- 25 7. A device according to any one of the preceding claims 1 or 2, **characterised in** that the second holder device (20) is constituted by the source coupling (5).

- 30 8. A device according to the preceding claim, **characterised in** that the tubing (4) is received in guides (11) that extend interiorly of the source coupling (5).

9. A device according to any one of the preceding claims, **characterised in** that the tubing (4) is bent for forming at least three essentially parallel courses (14, 24, 34) of tubing.

5 10. A device according to any one of the preceding claims, **characterised in** that the first holder device (10) and/or the second holder device (20) comprises two housing parts (10', 10'') configured for being movable between a first position in which there is access to said guides (11, 12, 13) for introduction into the guides (11, 12, 13) of the tubing (4) transversally to
10 the longitudinal expanse of the guides (11, 12, 13), and a second position, in which the tubing (4) is fixated against movement out of the guides (11, 12, 13) transversally to the longitudinal expanse of the guides.

11. A device according to any one of the preceding claims, **characterised in**
15 that the guides (11, 12, 13) are configured for optionally being blocked, whereby removal of the tubing (4) by withdrawal of the tubing (4) transversally to the longitudinal direction of the tubing is prevented.

12. A medicament supply device including a flexible tubing for supplying a
20 medicament from a first end (4') thereof with a cannula housing coupling (3) for connecting said device to a cannula housing (1) that has an interior chamber and a cannula (2) connected to said cannula housing (1) in flow communication with the interior chamber, to a second end (4'') thereof having a source coupling (5), whereby the tubing (4) can be coupled to a source of
25 said medicament, wherein said tubing (4) is, between the first and the second end (4', 4''), folded (9, 9') for forming a configuration with essentially parallel courses (14, 24, 34) of said tubing,
characterised in

- the device includes a first and a second holder device (10,20);
- 30 - that in order for the tubing (4) to be secured in said configuration, it is received in guides (11, 12, 13) in said first holder device (10) arranged

between the first and the second end (4', 4'') of the tubing (4) and in guides (11, 12, 13) in said second holder device (20) arranged at the first or second end (4', 4'') of the tubing (4) or between the first and second ends (4', 4'') of the tubing, with said parallel courses (14, 24, 34) running between said first holder device (10) and said second holder device (20), and

- that the first holder device (10) can be displaced along the tubing (4) in a direction towards the second holder device (20) by movement of the tubing (4) along said guides (11, 12, 13) in the first holder device (10).

13. A device according to the preceding claim, **characterised in** that the first holder device (10) is configured as a housing with at least two bores that form said guides (11, 12, 13).

14. A device according to claim 13, **characterised in**

- that the second holder device (20) is arranged between the first and second ends (4', 4'') of the tubing (4); and
- that the second holder device (20) can be displaced along the tubing (4) in a direction towards the first holder device (10).

15. A device according to the preceding claim, **characterised in** that the second holder device (20) is configured as a housing with at least two bores that form said guides (11, 12, 13).

16. A device according to any one of the preceding claims 12 or 13, **characterised in** the second holder device (20) is constituted by the cannula housing coupling (3).

17. A device according to the preceding claim, **characterised in** that the tubing (4) is received in guides (11) that extend interiorly of the cannula housing coupling (3).

18. A device according to any one of the preceding claims 12 or 3, **characterised in** that the second holder device (20) is constituted by the source coupling (5).

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19. A device according to the preceding claim, **characterised in** that the tubing (4) is received in guides (11) that extend interiorly of the source coupling (5).

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20. A device according to any one of the preceding claims 12- 19, **characterised in** that the tubing (4) is folded for forming at least three essentially parallel courses (14, 24, 34) of tubing.

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21. A device according to any one of preceding claims 12-20, **characterised in** that the first holder device (10) and/or the second holder device (20) comprises two housing parts (10', 10'') configured for being movable between a first position in which there is access to said guides (11, 12, 13) for introduction into the guides (11, 12, 13) of the tubing (4) transversally to the longitudinal expanse of the guides (11, 12, 13); and a second position in which the tubing (4) is fixated against movement out of the guides (11, 12, 13) transversally to the longitudinal expanse of the guides.

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22. A device according to any one of the preceding claims 12-21, **characterised in** that the guides (11, 12, 13) are configured for optionally being blocked, whereby removal of the tubing by withdrawal of the tubing (4) transversally to the longitudinal direction of the tubing is prevented.

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